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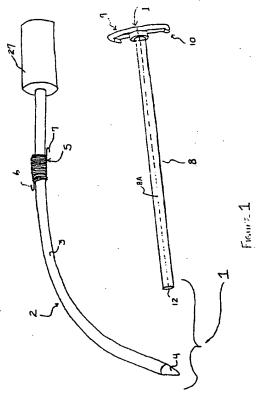
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(54) Insertion and tunneling tool for a subcutaneous wire patch electrode.

(57) A tool (1) for subcutaneously implanting a subcutaneous electrode comprising several wire patch electrode segments by way of a single surgical incision. The tunneling tool (1) comprises a stylet (2) and a peel-away sheath (8). The tunneling tool (1) is inserted into an incision, in a direction which corresponds to the desired placement of an electrode segment. Once the tunneling tool reaches a desired position, the stylet (2) is withdrawn, thereby revealing the interior of the peel-away sheath (8) and a resulting subcutaneous tunnel. The corresponding electrode segment is then inserted into this subcutaneous tunnel, and subsequently implanted in the patient. The implantation procedure is then repeated as many times as is necessary, using the same incision, until all the electrode segments for the particular electrode configuration have been implanted. In addition, the tunneling tool (1) can be adapted to conform to varying electrode segment sizes, which thereby allows the tool to conform to the varying needs of each individual patient. As an even further feature, the tunneling tool (1) can be constructed in a curved configuration to facilitate electrode implantation in the lateral thoracic region of the body.



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Application number

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PARTIAL EUROPEAN SEARCH REPORT
which under Rule 45 of the European Patent Convention
shall be considered, for the purposes of subsequent
proceedings, as the European search report

	DOCUMENTS CONS	EP 92305073.6		
Category	Citation of document with indication, where appropriate, of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CL.)
x	<u>US - A - 4 596 559</u> (J.J. FLEISCHHACKER)		1-3,7, 11,12	A 61 N 1/372
Y	* Totality *		9.10	
х	EP - A - 0 280 528 (BARD LTD.)		1,7,12	
Y A	* Totality	*	9,10 2,3,11	
x	<u>US - A - 4 888</u> (P.H. McQUILKI	000 N et al.)	1,7,12	
Y A	* Totality	*	9,10 2,3,11	
Y		LTD.) abstract; page	9 .	
	lines 3-5	; claims 1,2 *		TECHNICAL FIELDS SEARCHED (Int. CI 7)
Y	EP - A - 0 362 462 (CATHETER TECHNOLOGY		10	A 61 B A 61 M
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Y: pa do A: te	CATEGORY OF CITED DOCL inticularly relevant if taken alone inticularly relevant if combined w ocument of the same category chnological background	the filing date ment cited in the ap ment cited for othe	but published on, or plication reasons	
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	CLA	MS INCURRING FEES						
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The	present	t European patent application comprised at the time of filing more than ten claims.						
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[_	All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.						
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•		report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,	1					
		namely claims:						
1		No claims fees have been paid within the prescribed time limit. The present European search report has been						
		drawn up for the first ten claims.						
\overline{x}	LA	CK OF UNITY OF INVENTION	_					
The	7	h Division considers that the present European patent application does not comply with the requirement of unity of	-					
		and relates to several inventions or groups of inventions,						
nam	ely:	1. Claims: 1-12: ("A funneling fool for")						
		2. Claims: 19-25: ("A body implantable						
		electrode")						
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	П	All further search fees have been peid within the fixed time limit. The present European search report has						
	LJ	been drawn up for all ctairns.						
		Only part of the further search fees have been paid within the fixed time limit. The present European search						
	_	report has been drawn up for those parts of the European patent application which relate to the Inventions in respect of which search fees have been paid,						
		namety claims:						
	X	None of the further search fees has been paid within the fixed time limit. The present European search report						
	ت	has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.						
		namety claims: 1-12						



PARTIAL EUROPEAN SEARCH REPORT

-2-EP 92305073.6

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Category	Citation of document with indication, where appropriate, of relevant passages	APPLICATION (Int. CLX)	
A	CORPORATION) * Figure 1; abstract; column 1, lines 1-13; column 2, lines 15-32; column 5, lines 4-11; column 8, lines 20-27; claims 1,20 * DE - A - 2 929 233 (MEDTRONIC INC.) * Fig. 1; claims 1,3,5; page 13, line 6 - page 16, line 15 *	1,3,9,	
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